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Graphitic Carbon Nitride for Environmental Photocatalysis

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Deadline for manuscript submissions:
closed (31 August 2019)

Message from the Guest Editor

Dear colleagues,

Graphitic carbon nitride (g-C_3N_4) has attracted the attention of many researchers from all over the world as a metal-free polymeric semiconducting material.

The investigation of photocatalytic properties of g-C_3N_4 is very topical due to its physico-chemical properties. However, photocatalytic applications are limited by a fast recombination of photoinduced electrons and holes. This can be overcome via the doping of g-C_3N_4 structures with metals and non-metals, by coupling with metal and semiconductor nanoparticles forming heterojunction photocatalysts. Nowadays, many research groups deal with these problems in order to develop efficient and environmentally friendly g-C_3N_4-based photocatalysts.

It is my great pleasure to invite you to submit a manuscript to this Special Issue concerning the application of g-C_3N_4 and its composites in environmental photocatalysis. Full papers, communications, and reviews are all welcome.

Prof. Dr. Petr Praus
Guest Editor

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Message from the Editor-in-Chief

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